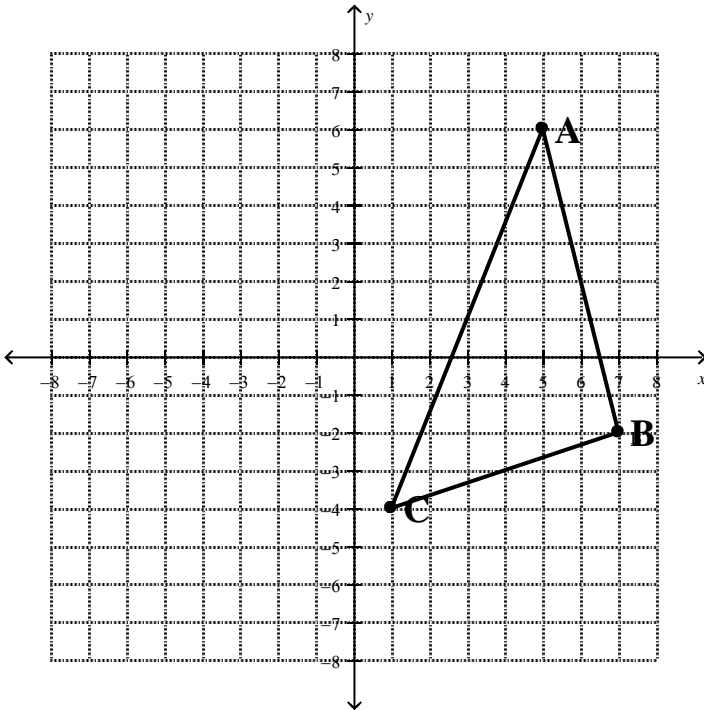


Reflecting Figures

1. Create the class rule for reflecting a figure over the y-axis.

Reflect the following figures over the y-axis. List the coordinates of the pre-image and the coordinates of the image points.

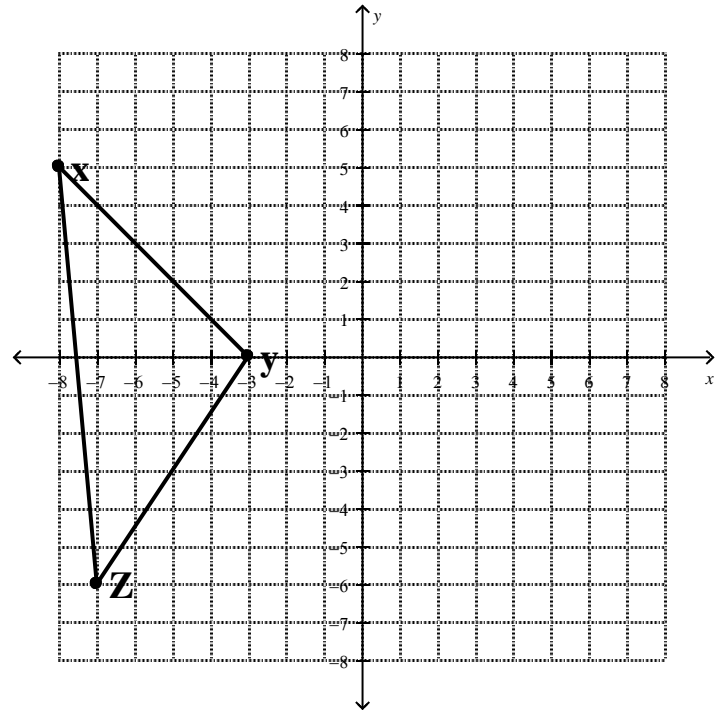
2.



Pre-Image Points:

Image Points:

3.



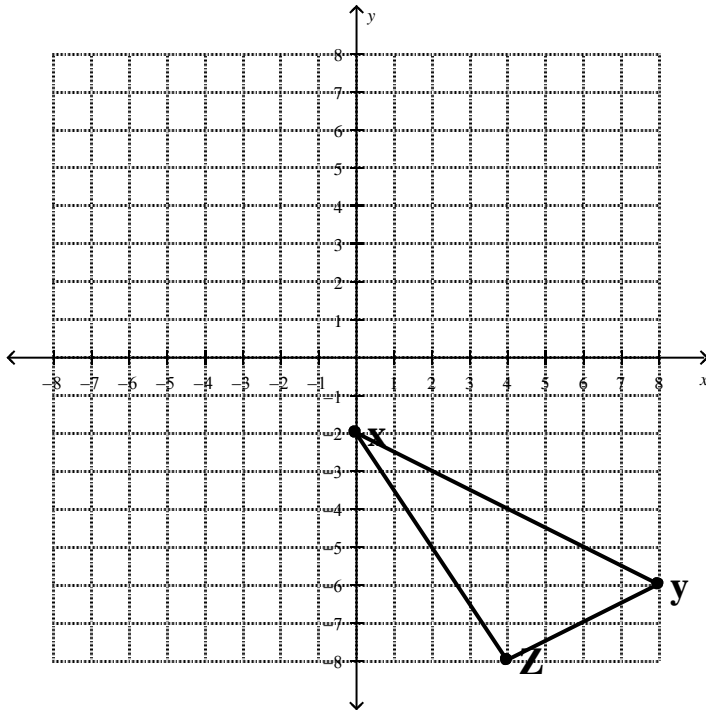
Pre-Image Points:

Image Points

4. Create the class rule for reflection a figure over the x-axis.

Reflect the following figures over the x-axis. List the coordinates of the pre-image and the coordinates of the image points.

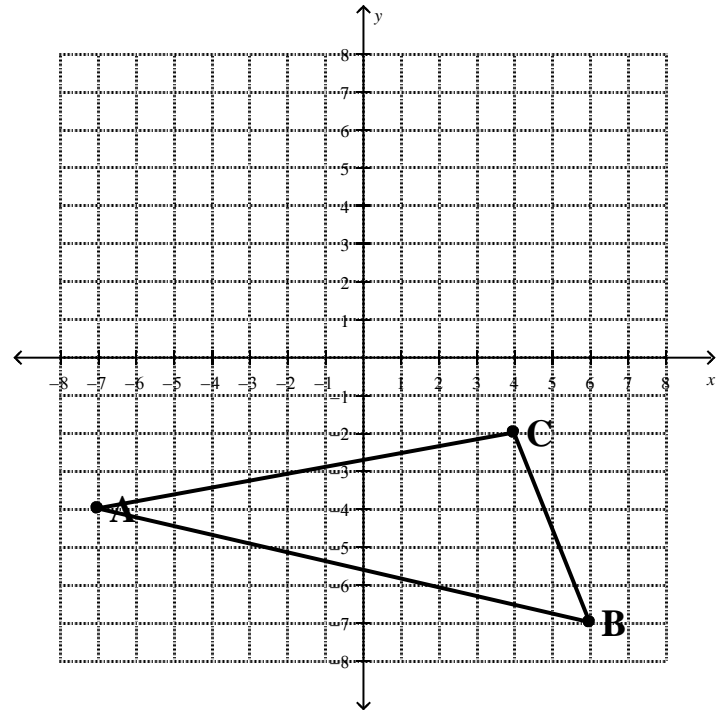
5.



Pre-Image Points:

Image Points:

6.



Pre-Image Points:

Image Points

Rules for Reflections

Reflection over the x-axis

Describe in words:

Create using math symbols:

Reflection over the y-axis

Describe in words:

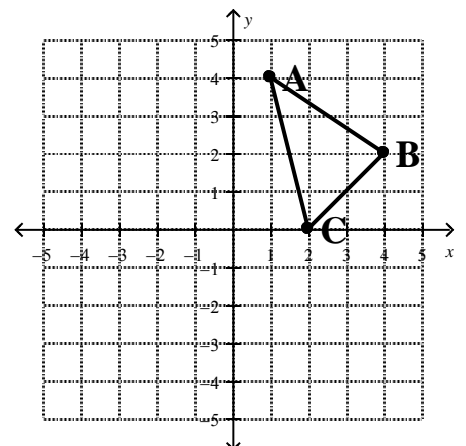
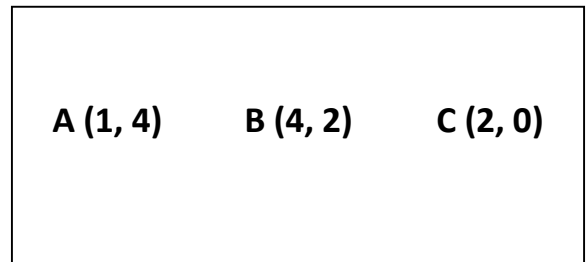
Create using math symbols:

1. Triangle ABC is reflected over the x-axis. Apply the appropriate rules above or the graph to the right to give the image points for triangle A'B'C'.

A' (,) B' (,) C' (,)

2. Triangle ABC is reflected over the y-axis. Apply the appropriate rule above or the graph to the right to give the image points for triangle A'B'C'.

A' (,) B' (,) C' (,)



In 3-10, pre-image coordinate points are given. Identify the image of each point under the given reflection.

Reflection over the x-axis.

3. $(-1, -9) \rightarrow$

4. $(7, -6) \rightarrow$

5. $(-2, 2) \rightarrow$

6. $(10, 3) \rightarrow$

\rightarrow

Reflection over the y-axis.

7. $(5, -5) \rightarrow$

8. $(-1, -9) \rightarrow$

9. $(-2, 2) \rightarrow$

10. $(10, 3) \rightarrow$